

ABSTRACT OF THE DISCLOSURE

A digital demodulation apparatus is provided for automatically controlling gain based on a state of receiving a digital modulated signal.

The digital demodulation apparatus *DSp* amplifies a digital modulated signal wave *Sb* received through the air with the gain automatically controlled so as to have a predetermined amplitude. In the above apparatus *DSp*, a receive level variation detector 62 detects receive level variation *D*, C/N of the received digital signal wave *Sb*. A gain controller 15, *Sac* controls the gain based on the detected receive level variation *D*, C/N.